

REPLACEMENT SHEET

8/22

M A G I N G A G P S G A Y F V G H T D P Majority																				- R E M L L R A R P L S R Q T R E W V A Majority																							
10										20										70										80													
1	M	A	G	I	N	R	A	G	P	S	G	A	Y	F	V	G	H	T	D	P	DC3000	61	G	R	E	R	L	S	R	S	T	A	L	S	R	Q	T	R	E	W	L	E	DC3000
1	M	A	G	I	N	G	A	G	P	S	G	A	Y	F	V	G	H	T	D	P	T1	57	-	R	E	M	L	L	R	A	R	P	L	S	R	Q	T	R	E	W	V	A	T1
1	M	A	G	I	N	G	A	G	P	S	G	A	Y	F	V	G	H	T	D	P	PT23	57	-	R	E	M	L	L	R	A	R	P	L	S	R	Q	T	R	E	W	V	A	PT23
1	M	A	G	I	N	G	A	G	P	S	G	A	Y	F	V	G	H	T	D	P	JL1065	57	-	R	E	M	L	L	R	A	R	P	L	S	R	Q	T	R	E	W	V	A	JL1065
E P A S G G A H G S S S G A S S S N S P Majority																				Q G M P P T A E A G V P I R P Q E S A E Majority																							
30										40										90										100													
21	E	P	A	S	G	G	A	H	G	S	G	S	G	A	S	S	S	N	S	P	DC3000	81	Q	G	M	P	T	A	E	D	A	S	V	R	R	P	Q	V	T	A	D	DC3000	
21	E	P	A	S	G	G	A	H	G	S	S	S	G	A	R	S	S	N	S	P	T1	76	Q	G	M	P	P	T	A	E	A	G	V	P	I	R	P	Q	E	S	A	E	T1
21	E	P	A	S	G	G	A	H	G	S	S	S	G	A	S	S	S	N	S	P	PT23	76	Q	G	M	P	P	T	A	E	A	G	V	P	I	R	P	Q	E	S	A	E	PT23
21	E	P	A	S	G	G	A	H	G	S	S	S	G	A	S	S	S	N	S	P	JL1065	76	Q	G	M	P	P	T	A	E	A	G	V	P	I	R	P	Q	E	S	A	E	JL1065
R L - P A P P D A P A S Q A R D R - - Majority																				A A A P Q A R A E E R H T P E A D A A A Majority																							
50										60										110										120													
41	Q	V	Q	P	R	P	S	N	T	P	P	S	N	A	P	A	P	P	T	DC3000	101	A	A	T	P	-	-	R	A	E	A	R	R	T	P	E	A	T	A	D	A	DC3000	
41	R	L	-	P	A	P	D	A	P	A	S	Q	A	R	D	R	-	-	T1	96	A	A	P	Q	A	R	A	E	E	R	H	T	P	E	A	D	A	A	A	A	T1		
41	R	L	-	P	A	P	D	A	P	A	S	Q	A	R	D	R	-	-	PT23	96	A	A	P	Q	A	R	A	E	E	R	H	T	P	E	A	D	A	A	A	A	PT23		
41	R	L	-	P	A	P	D	A	P	A	S	Q	A	R	D	R	-	-	JL1065	96	A	A	P	Q	A	R	A	E	E	R	H	T	P	E	A	D	A	A	A	A	JL1065		

FIG. 7A

REPLACEMENT SHEET

11/22

G I A P S I D T G E S L M E N P L M N L Majority		L Q V I P A R E D Y E N N V A Y G V R L Majority	
370		430	
325	G I N P S I D L G E S L V Q H P L L N L DC3000	385	L R V M P E R E D Y E N N V A Y G V R L DC3000
353	G I A P S I D T G E S L M E N P L M N L T1	413	L Q V I P A R E D Y E N N V A Y G V R L T1
353	G I A P S I D T G E S L M E N P L M N L PT23	413	L Q V I P A R E D Y E N N V A Y G V R L PT23
353	G I A P S I D T G E S L M E N P L M N L JL1065	413	L Q V I P A R E D Y E N N V A Y G V R L JL1065
S V A L H R A L G P R P A R A Q A P R P Majority		L S L N P G A G V R E T V A A F V N N R Majority	
390		450	
345	N V A L N R M L G L R P S A E R A P R P DC3000	405	L N L N P G V G V R Q A V A A F V T D R DC3000
373	S V A L H R A L G P R P A R A Q A P R P T1	433	L S L N P G A G V R E T V A A F V N N R T1
373	S V A L H R A L G P R P A R A Q A P R P PT23	433	L S L N P G A G V R E T V A A F V N N R PT23
373	S V A L H R A L G P R P A R A Q A P R P JL1065	433	L S L N P G A G V R E T V A A F V N N R JL1065
A V P V A P A T V S R R P D S A R A T R Majority		Y E R Q A V V A D I R A A L N - L S K Q Majority	
410		470	
365	A V P V A P A T A S R R R P D G T R A T R DC3000	425	A E R P A V V A N I R A A L D P I A S Q DC3000
393	A V P V A P A T V S R R P D S A R A T R T1	453	Y E R Q A V V A D I R A A L N - L S K Q T1
393	A V P V A P A T V S R R P D S A R A T R PT23	453	Y E R Q A V V A D I R A A L N - L S K Q PT23
393	A V P V A P A T V S R R P D S A R A T R JL1065	453	Y E R Q A V V A D I R A A L N - L S K Q JL1065

FIG. 7D

REPLACEMENT SHEET

17/22

Chimeric		Interaction with:	
		AvrPto	AvrPtoB
A		Yes	Yes
B		No	No
D		No	No
E		No	No
F		No	No
G		Yes	Yes
H		No	No

FIG. 10A

		Interaction with:	
		AvrPto	AvrPtoB
FPB		Yes	Yes
FPB2		Yes	Yes
FPB3		Yes	Yes
FPB4		Yes	Yes

FIG. 10B

		Interaction with:	
		AvrPto	AvrPtoB
Pto		Yes	Yes
Fen		No	No
FPB3		Yes	Yes
FPB4		Yes	Yes
FPB3(K202R)		Yes	Yes
FPB3(T204N)		No	No
FPB3(L205I)		Yes	Yes
FPB3(D209A)		Yes	Yes
P(T204N)		No	No
P(L205I)		Yes	Yes
F(N204T, I205L)		Yes	Yes
F(N204T)		Yes	Yes
F(I205L)		No	No

FIG. 10C